

Publication-based dissertations at the TUM School of Social Sciences and Technology

– FINAL DRAFT (20220705)–

The ways in which doctoral thesis can be submitted (monograph, paper-based dissertation) are stipulated in §7(1) sentence 1 of the TUM Promotionsordnung (statute of August 23, 2021). The decision about the form of the thesis should be discussed with the first supervisor of the thesis.

The assessment of the quality after the submission is the responsibility of the reviewers of the examination committee of the doctorate, who independently assess the scientific demands of the thesis (§11 of the TUM Promotionsordnung).

The requirements for the publication-based dissertation listed below take into account the different relevant publication formats in the different departments of the School of Social Sciences and Technology. They are to be understood as guidelines according to §7 (3) sentence 2 of the TUM Promotionsordnung for publication-based doctorates.

Requirements for the publication-based doctoral degree

The guidelines of the School of Social Sciences and Technology for publication-based dissertations are as follows:

Scope of publications and publication stage:

- A publication-based dissertation includes at least two publications which are broadly connected.
- The doctoral candidate must be the leading co-author with a clearly discernible own original contribution in at least the two accepted publications.
- The accepted publications have to be accepted for publication in an international (English-speaking), peer-reviewed outlet (Publikationsorgan, see §7(3) sentence 3 of the TUM Promotionsordnung).
- In case of co-authored publications, the doctoral candidate is required to provide a statement on the specific contribution the doctoral candidate has made. This statement has to be confirmed by the other co-authors (Erklärung zur Mitautorenschaft).
- Proof of the status of "accepted manuscript" can be submitted by the student along with the dissertation. Provision of the acceptance letter provided by the scientific journal, or a copy of the published paper, is sufficient.

- The publications are to be classified in an overarching scientific context and the added value beyond the individually used publications must be expressed (see §7 (3) of the TUM Promotionsordnung). The recommended format is that the thesis should include a separate introduction and conclusion to provide an overall overview of the single publications and how they are connected. The text part has to be written in a way that the scientific problem, the solution approaches used, the results and conclusions obtained as well as the related literature is clearly expressed.
- The length of the introduction and conclusion should be a minimum of 10.000 words (approx. 20 pages) in total.

Quality of the publications:

- The quality standard for a publication is full-paper peer review. This can be demonstrated, for example, by indicating the relevant *ISI*-, *Scopus*- or *Google Scholar Metrics*-listed outlet (Publikationsorgan) in which the manuscript was published.
- The reviewers of the examination committee must assess the peer review and the value of the publications. In the case of non-*ISI*-, non-*Scopus*- or non *Google Scholar Metrics* listed publications, the doctoral candidate must document the peer review process which must then be assessed by the reviewers; in case of doubt, the case must be brought forward to the Head of the degree awarding institution (Promotionsführende Einrichtung) and the School Council.
- The rules and regulations pertaining to the integration of results obtained from research before entering the TUM-GS is stipulated in §7(7) of the TUM Promotionsordnung.